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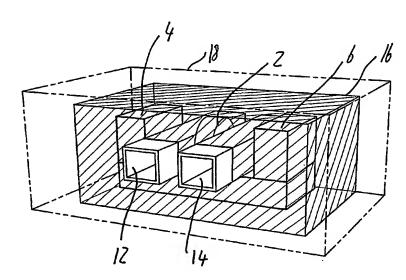
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(54) Title: SUSCEPTOMETER FOR NON-INVASIVE IRON LEVEL MEASUREMENT IN A BODY



(57) Abstract: A susceptometer for non-invasive determination of iron concentration in a body, by detecting the magnetic flux variation produced by the body. The susceptometer comprises a heat insulating case (16), containing a support structure that defines a screening region (8, 10). The structure supports an alternating magnetic field source, which is able to generate a magnetic field in the screening region, and at least two magnetic field sensors (4, 6), disposed in front of the field source (2). Means (12, 14) for introducing the body to be measured in the screening region (8, 10), temperature-control means, for stabilizing temperature inside the case, so as to limit relative variation to a predetermined maximum value, and means for processing electric signals indicative of the variation in the magnetic field linked to the sensor, which variation is caused by the screened body, in the screening region, are further provided.

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